Abstract

A pixel processing system receives a target pixel value and neighbor pixel values. The neighbor pixel values may correspond to eight neighbor pixels that surround a target pixel corresponding to the target pixel value. The pixel processing system determines a minimum value and a maximum value among the neighbor pixel values. If the target pixel value is less than the minimum value, then the pixel processing system increases the target pixel value. If the target pixel value is greater than the maximum value, then the pixel processing system reduces the target pixel value. In response to increasing the target pixel value, the pixel processing system may reduce the neighbor pixel values to maintain an average value. In response to reducing the target pixel value, the pixel processing system may increase the neighbor pixel values to maintain an average value.

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